



## Practice

### 1.2 Slopes and Intercepts

Write the equation in slope-intercept form for the line that has the indicated slope,  $m$ , and  $y$ -intercept,  $b$ .

1.  $m = 2, b = -5$  \_\_\_\_\_ 2.  $m = 3, b = 1$  \_\_\_\_\_ 3.  $m = -4, b = 3$  \_\_\_\_\_

4.  $m = \frac{4}{5}, b = -\frac{2}{5}$  \_\_\_\_\_ 5.  $m = \frac{1}{6}, b = 3$  \_\_\_\_\_ 6.  $m = \frac{1}{4}, b = 4$  \_\_\_\_\_

Find the slope of the line containing the indicated points.

7.  $(3, 0)$  and  $(-3, 4)$

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8.  $(-1, -\frac{1}{5})$  and  $(\frac{2}{3}, \frac{3}{4})$

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9.  $(2, 6)$  and  $(1, 5)$

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10.  $(-1, -5)$  and  $(2, 4)$

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Identify the slope,  $m$ , and the  $y$ -intercept,  $b$ , for each line.

11.  $3x + 4y = 6$

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12.  $\frac{3}{4}x + 2y = -3$

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13.  $-2x - y = 4$

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14.  $15x + 5y = -35$

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Write an equation in slope-intercept form for each line.

